

1. A stable agricultural solids suspension readily dispersible in water, the suspension comprising:

5 a. agricultural solids consisting of at least one member selected from the group consisting of a fertilizer, an adjuvant, a herbicide and a pesticide, said agricultural solids having particles more than about 99 wt.% passable through a Tyler #48 sieve;

b. a single non-ionic surfactant selected from the group consisting of alkyl-phenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic C<sub>11</sub> to C<sub>15</sub> alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;

10 c. a water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and

d. methylthio- $\alpha$ -hydroxybutyric acid.

10. A stable suspension of ammonium sulfate  $((\text{NH}_4)_2\text{SO}_4)$  readily dispersible in water, the suspension comprising:

a. ammonium sulfate particles more than about 99 wt.% passable through a Tyler #48 sieve;

5 b. a single non-ionic surfactant selected from the group consisting of alkyl-phenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic  $\text{C}_{11}$  to  $\text{C}_{15}$  alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;

c. a water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and

10 d. methylthio- $\alpha$ -hydroxybutyric acid.

Please add the following new claims:

21. A stable agricultural solids suspension readily dispersible in water comprising:
- a. agricultural solids consisting of at least one member selected from the group consisting of a fertilizer, an adjuvant, a herbicide and a pesticide, said agricultural solids having particles more than about 99 wt.% passable through a Tyler #48 sieve;
  - b. a single non-ionic surfactant selected from the group consisting of alkylphenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic C<sub>11</sub> to C<sub>15</sub> alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;
  - c. a water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and
  - d. at least one member selected from the group consisting of diammonium phosphate ((NH<sub>4</sub>)<sub>2</sub>HPO<sub>4</sub>) and the isopropylamine salt of N-(phosphonomethyl) glycine.
22. The agricultural solids suspension of Claim 21, wherein the concentration of the agricultural solids is between about 20 wt.% and 80 wt.%; the concentration of the glycol liquid is between about 20 wt.% and about 80 wt.%; and the concentration of the non-ionic surfactant is between about 1 wt.% and about 9 wt.%.

23. The agricultural solids suspension of Claim 21, wherein the concentration of the agricultural solids is between about 50 wt.% and about 70 wt.%; the concentration of the glycol liquid is between about 30 wt. % and about 50 wt.%; and the concentration of the non-ionic surfactant is between about 2.5 wt.% and 6.5 wt.%.
24. The agricultural solids suspension of Claim 21, wherein the agricultural solids consist of at least one member of the group consisting of ammonium sulfate  $((\text{NH}_4)_2\text{SO}_4)$ , diammonium phosphate  $((\text{NH}_4)_2\text{HPO}_4)$  and the isopropylamine salt of N-(phosphonomethyl) glycine.
25. The agricultural solids suspension of Claim 21, wherein the molecular weight of the non-ionic surfactant is between about 300 and 1000.
26. The agricultural solids suspension of Claim 21, wherein the non-ionic surfactant is selected from the group consisting of dodecylphenoxy poly(ethylene oxide)<sub>9,5-11</sub> ethanol, dodecylphenoxy poly(ethylene oxide)<sub>9</sub> ethanol, octylphenoxy poly(ethylene oxide)<sub>7</sub> ethanol, octylphenoxy poly(ethylene oxide)<sub>5</sub> ethanol, and nonylphenoxy poly(ethylene oxide)<sub>4</sub>.
27. The agricultural solids suspension of Claim 21, wherein the non-ionic surfactant is selected from the group consisting of a C<sub>12</sub>-C<sub>14</sub> secondary aliphatic alcohol (ethoxylate)<sub>9</sub>, a C<sub>12</sub>-C<sub>14</sub> secondary alcohol (ethoxylate)<sub>12</sub>, undecanol (ethoxylate)<sub>9</sub> and oleyl (ethoxylate)<sub>10</sub>.
28. The agricultural solids suspension of Claim 21, wherein the non-ionic surfactant is dodecylphenoxy poly(ethylene oxide)<sub>9,5-11</sub> ethanol.

29. The agricultural solids suspension of Claim 21, wherein the glycol liquid is propylene glycol.

30. A stable suspension of ammonium sulfate  $((\text{NH}_4)_2\text{SO}_4)$  readily dispersible in water, the suspension comprising:

a. ammonium sulfate particles more than about 99 wt.% passable through a Tyler #48 sieve;

b. a single non-ionic surfactant selected from the group consisting of alkylphenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic  $\text{C}_{11}$  to  $\text{C}_{15}$  alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;

c. water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and

d. at least one member selected from the group consisting of diammonium phosphate  $((\text{NH}_4)_2\text{HPO}_4)$  and the isopropylamine salt of N-(phosphonomethyl) glycine.

31. The ammonium sulfate suspension of Claim 30, wherein the concentration of the agricultural solids is between about 30 wt.% and 70 wt.%; the concentration of the glycol liquid is between about 30 wt.% and about 70 wt.%; and the concentration of the non-ionic surfactant is between about 1 wt.% and about 9 wt.%.

32. The ammonium sulfate suspension of Claim 30, wherein the concentration of the ammonium sulfate is between about 40 wt.% and 70 wt.%; the concentration of the glycol liquid is between about 30 wt.% and about 60 wt.%; and the concentration of the non-ionic surfactant is between about 1 wt.% and about 9 wt.%.  
5
33. The ammonium sulfate suspension of Claim 30, wherein the concentration of the ammonium sulfate is between about 50 wt.% and about 70 wt.%; the concentration of the glycol liquid is between about 30 wt. % and about 50 wt.%; and the concentration of the non-ionic surfactant is between about 2.5 wt.% and 6.5 wt.%.  
5
34. The ammonium sulfate suspension of Claim 30, wherein the non-ionic surfactant has a molecular weight between about 300 and about 1000.
35. The ammonium sulfate suspension of Claim 30, wherein the non-ionic surfactant is selected from the group consisting of dodecylphenoxy poly(ethylene oxide)<sub>9,5-11</sub> ethanol, dodecylphenoxy poly(ethylene oxide)<sub>9</sub> ethanol, octylphenoxy poly(ethylene oxide)<sub>7</sub> ethanol, octylphenoxy poly(ethylene oxide)<sub>5</sub> ethanol, and nonylphenoxy poly(ethylene oxide)<sub>4</sub>.  
5
36. The agricultural solids suspension of Claim 30, wherein the non-ionic surfactant is selected from the group consisting of a C<sub>12</sub>-C<sub>14</sub> secondary aliphatic alcohol (ethoxylate)<sub>9</sub>, a C<sub>12</sub>-C<sub>14</sub> secondary alcohol (ethoxylate)<sub>12</sub>, undecanol (ethoxylate)<sub>9</sub> and oleyl (ethoxylate)<sub>10</sub>.

37. The ammonium sulfate suspension of Claim 30, wherein the non-ionic surfactant is dodecylphenoxy poly(ethylene oxide)<sub>9,5-11</sub> ethanol.
38. The ammonium sulfate suspension of Claim 30, wherein the glycol liquid is propylene glycol.